

MS#160297.1 (4936)  
PATENT**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A computer readable medium having computer-executable instructions for performing a method comprising:

forming a scope window displaying in a hierarchical structure a plurality of one or more scope items therein;

allowing a user to select at least one of the displayed the plurality of scope items in the scope window;

forming a first primary display window in response to the selected scope item for displaying one or more first primary objects which are dynamically linked to the scope window; and

forming a second primary display window in response to the selected scope item for displaying one or more second primary objects which are dynamically linked to the scope window wherein the second primary objects displayed by the second primary display window are independent of the first primary objects displayed by the first primary display window, wherein the link from the first primary objects to the scope window is independent of the link from the second primary objects to the scope window, and wherein the scope window persists displaying scope items in the scope window after forming the first primary display window and the second primary display window.

Claim 2 (previously presented): The computer-readable medium of claim 1, having further computer-executable instructions for performing the step of forming a third primary display window in response to the selected scope item for displaying third primary objects linked to the scope window wherein the third primary objects are independent of the first primary objects and wherein the third primary objects are independent of the second primary objects.

Claim 3 (currently amended): The computer-readable medium of claim 1, having further computer-executable instructions for:

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allowing a user to select at least one of the displayed first primary objects in the first primary display window;

forming a first secondary display window in response to the selected first primary object for displaying first secondary objects which are dynamically linked to the first primary display window; and

forming a second secondary display window in response to the selected first primary object for displaying second secondary objects which are dynamically linked to the first primary display window wherein the second secondary objects are independent of the first secondary objects.

**Claim 4 (currently amended):** The computer-readable medium of claim 3, having further computer-executable instructions for forming a third secondary display window in response to the selected first primary object for displaying third secondary objects which are dynamically linked to the first primary display window wherein the third secondary objects are independent of the first secondary objects and wherein the third secondary objects are independent of the second secondary objects.

**Claim 5 (currently amended):** The computer-readable medium of claim 1, having further computer-executable instructions for:

forming a first secondary display window displaying first secondary objects linked to the first primary display window, wherein the scope window displays and focuses on a selected one of the displayed first secondary objects; and

dynamically linking the first secondary display window to the scope window so that a command or selection in the first secondary display window changes the focus or content of the scope window.

**Claim 6 (original):** The computer-readable medium of claim 1, wherein the linking between the first primary objects and the scope window is defined by an application developer or a user so that parameters are passed from the scope window to the first primary display window and wherein the passed parameters are used in a query to provide data to the first primary display window which determines how it will be displayed.

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**Claim 7 (currently amended):** The computer-readable medium of claim 6, wherein the query operates on a database to display a selected set of the first primary objects in the first primary display window.

**Claim 8 (original):** The computer-readable medium of claim 1, wherein the scope window, the first primary display window and the second primary display window form a workspace view which is saved either as a local view on a local drive or as a global view in a database shared by multiple users.

**Claim 9 (previously presented):** The computer-readable medium of claim 1, wherein allowing a user to select at least one displayed scope item in the scope window, having further computer-executable instructions for:

linking independently the first primary objects to the selected scope item; and  
linking independently the second primary objects to the selected scope item.

**Claim 10 (original):** The computer-readable medium of claim 9, having further computer-executable instructions for forming a third primary display window displaying third primary objects linked to the selected scope item wherein the third primary objects are independent of the first primary objects and wherein the third primary objects are independent of the second primary objects.

**Claim 11 (previously presented):** The computer-readable medium of claim 9, having further computer-executable instructions for:

allowing a user to select at least one first primary object in the first primary display window;

forming a first secondary display window displaying first secondary objects linked to the selected first primary object; and

forming a second secondary display window displaying second secondary objects linked to the selected first primary object wherein the second secondary objects are independent of the first secondary objects.

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**Claim 12 (original):** The computer-readable medium of claim 11, having further computer-executable instructions for forming a third secondary display window displaying third secondary objects linked to the selected first primary object wherein the third secondary objects are independent of the first secondary objects and wherein the third secondary objects are independent of the second secondary objects.

**Claim 13 (previously presented):** The computer-readable medium of claim 11 wherein the user selects at least one first primary object in the first display window, and said computer-readable medium having further computer-executable instructions for:

forming a first secondary display window displaying first secondary objects linked to the selected first primary object; and

linking the first secondary display window to the scope window so that the first secondary objects displayed in the first secondary display window are linked to the selected scope item in the scope window.

**Claim 14 (original):** The computer-readable medium of claim 1, having further computer-executable instructions for defining window types, wherein the scope window, the first primary display window, and second primary display window are associated with one of the window types.

**Claim 15 (original):** The computer-readable medium of claim 14, wherein the window types include one or more of the following: a table, a graph, a list, a list control, a topological view, and a text window.

**Claim 16 (previously presented):** The computer-readable medium of claim 15, having further computer-executable instructions for allowing a user to convert one or more of the following from one of the window types to another of the window types:

the scope window;  
the first primary display window; and  
the second primary display window.

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Claim 17 (original): The computer-readable medium of claim 1, having further computer-executable instructions for performing the step of defining window types as a function of data driven from a query, wherein the type of driven data determines the window type.

Claim 18 (currently amended): A computer readable medium having stored thereon a data structure, comprising:

a scope window displaying in a hierarchical structure a plurality of one or more scope items therein and allowing a user to select at least one displayed scope item;

a first primary display window displaying one or more first primary objects which are dynamically linked to the selected scope item; and

a second primary display window displaying one or more second primary objects which are dynamically linked to the selected scope item wherein the linking between the second primary objects and the selected scope items is independent of the linking between the first primary objects and the selected scope item, and wherein the scope window persists displaying scope items in the scope window after forming the first primary display window and the second primary display window.

Claim 19 (original): The computer-readable medium of claim 18 wherein the user selects at least one first primary object in the first primary display window and further comprising:

a first secondary display window displaying first secondary objects linked to the selected first primary object; and

a second secondary display window displaying second secondary objects linked to the selected first primary object wherein the linking between the second secondary objects and the selected first primary object is independent of the linking between the first secondary objects and the selected first primary object.

Claim 20 (previously presented): The computer-readable medium of claim 18 wherein the user selects at least one first primary object in the first primary display window and further comprising:

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a first secondary display window displaying first secondary objects linked to the first primary display window and linked to the scope window.

**Claim 21 (currently amended):** In a computer system having a graphical user interface including a display and a user interface selection device, a method of providing a display comprising:

forming a scope window;  
retrieving scope items for display in a hierarchical structure in the scope window;  
allowing a user to select at least one of the scope items in the scope window;  
forming a first primary display window in response to the selected scope item;  
retrieving first primary objects which are dynamically linked to the scope window for display in the first primary display window;  
forming a second primary display window in response to the selected scope item; and  
retrieving second primary objects which are dynamically linked to the scope window for display in the second primary display window wherein the second primary objects are independent of the first primary objects, and wherein the scope window persists displaying scope items in the scope window after forming the first primary display window and the second primary display window.

**Claim 22 (previously presented):** The method of claim 21,

wherein the retrieved first primary objects are linked to the selected scope item and are displayed in the first display window;

wherein the retrieved second primary objects are linked to the selected scope item and are displayed in the second primary display window; and

wherein the linking between the first primary objects and the selected scope item is independent of the linking between the second primary objects and the selected scope item.

**Claim 23 (original):** The method of claim 21 further comprising the step of forming a third primary display window displaying third primary objects linked to the scope window wherein the third primary objects are independent of the first primary objects and wherein the third primary objects are independent of the second primary objects.

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Claim 24 (previously presented): The method of claim 21 further comprising the steps of:

- allowing a user to select at least one of the displayed first primary objects in the first primary display window;
- forming a first secondary display window displaying first secondary objects linked to the first primary display window; and
- forming a second secondary display window displaying second secondary objects linked to the first primary display window wherein the second secondary objects are independent of the first secondary objects.

Claim 25 (original): The method of claim 24 further comprising the step of forming a third secondary display window displaying third secondary objects linked to the first primary display window wherein the third secondary objects are independent of the first secondary objects and wherein the third secondary objects are independent of the second secondary objects.

Claim 26 (original): The method of claim 21 further comprising the steps of:

- forming a first secondary display window displaying first secondary objects linked to the first primary display window; and
- linking the first secondary display window to the scope window.

Claim 27 (previously presented): A computer system having a graphical user interface including a display and a user interface selection device, said system comprising:

- means for retrieving scope items in response to administrator and/or user input;
- means for displaying the retrieved scope items in a scope window;
- means for retrieving first primary objects linked to the scope window in response to administrator and/or user input;
- means for displaying the retrieved first primary objects in a first primary display window;
- means for retrieving second primary objects linked to the scope window in response to administrator and/or user input wherein the linking between the second primary objects and the scope window is independent of the linking between the first primary objects and the scope window; and

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means for displaying the retrieved second primary objects in a second primary display window.

Claim 28 (currently amended): A method of allowing a user or an administrator to define windows comprising the steps of:

forming a scope window displaying in a hierarchical structure scope items therein in response to instructions from the user or administrator;

allowing a user to select at least one displayed scope item;

forming a first primary display window displaying first primary objects;

dynamically linking the first primary objects to the selected scope item in accordance with instructions from the user or administrator, said instructions from the user or administrator controlling the display of first primary objects in the first primary display window;

forming a second primary display window displaying second primary objects; and

dynamically linking the second primary objects to the selected scope item in accordance with instructions from the user or administrator wherein the step of linking the second primary objects is independent of the step of linking the first primary objects, said instructions from the user or administrator controlling the display of second primary objects in the second primary display window, and wherein the scope window persists displaying scope items in the scope window after forming the first primary display window and the second primary display window.

Claim 29 (original): The method of claim 28 wherein the linking between the first primary objects and the scope window is defined by an application developer or a user so that parameters are passed from the scope window to the first primary display window and wherein the passed parameters are used in a query to control the display of the first primary objects in the first primary display window.

Claim 30 (original): The method of claim 28 wherein the scope window, the first primary display window and the second primary display window form a workspace view which is saved either as a local view on a local drive or as a global view in a database shared by multiple users.

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**Claim 31 (original):** The method of claim 28 further comprising allowing a user to select at least one displayed scope item in the scope window, wherein the first primary objects are linked to the selected scope item, wherein the second primary objects are linked to the selected scope item, and wherein the linking between the first primary objects and the selected scope item is independent of the linking between the second primary objects and the selected scope item.

**Claim 32 (previously presented):** The method of claim 31 wherein the user selects at least one first primary object in the first primary display window and further performing the steps comprising:

forming a first secondary display window displaying first secondary objects linked to the selected first primary object; and

forming a second secondary display window displaying second secondary objects linked to the selected first primary object wherein the second secondary objects are independent of the first secondary objects.

**Claim 33 (original):** The method of claim 32 further performing the step comprising forming a third secondary display window displaying third secondary objects linked to the selected first primary object wherein the third secondary objects are independent of the first secondary objects and wherein the third secondary objects are independent of the second secondary objects.

**Claim 34 (previously presented):** The method of claim 31 wherein the user selects at least one first primary object in the first display window and further performing the steps comprising:

forming a first secondary display window displaying first secondary objects linked to the selected first primary object; and

linking the first secondary display window to the scope window so that the first secondary objects displayed in the first secondary display window are linked to the selected scope item in the scope window.

**Claim 35 (currently amended):** A computer system having a graphical user interface including a display and a user interface selection device, said system comprising:

means for displaying a scope window;

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means for permitting a user to select an item in the scope window;  
means for displaying a first primary display window;  
means for linking the first primary display window to the scope window in response to the selected item by the user;  
means for displaying a second primary display window; and  
means for linking the second primary display window to the scope window, wherein the means for linking the first primary display window to the scope window is independent of the means for linking the second primary display window to the scope window, and wherein the means for displaying the scope window persists displaying scope items in the scope window after the first primary display window and the second primary display window are displayed.

Claim 36 (previously presented): The system of claim 35 further comprising:

means for displaying a first secondary display window;  
means for permitting a user to select an item in the first primary display window;  
means for linking the first secondary display window to the first primary display window in response to the selected item by the user;  
means for displaying a second secondary display window; and  
means for linking the second secondary display window to the first primary display window in response to the selected item by the user, wherein the means for linking the first secondary display window to the first primary display window is independent of the means for linking the second secondary display window to the first primary display window.

Claim 37 (original): The system of claim 35 further comprising:

means for displaying a first secondary display window;  
means for linking the first secondary display window to the first primary display window;  
and  
means for linking the first secondary display window to the scope window.

Claim 38 (currently amended): A computer system having a graphical user interface including a display and a user interface selection device, said system comprising :

means for displaying a scope window;

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means for permitting a user to select an item in the scope window;  
means for displaying a first primary display window;  
means for driving the first primary display window off of the user selected item in the scope window;  
means for displaying a second primary display window; and  
means for driving the second primary display window off of the user selected item in the scope window, wherein the means for driving the first primary window is independent of the means for driving the second primary display window, and wherein the means for displaying the scope window persists displaying scope items in the scope window after the first primary display window and the second primary display window are displayed.

Claim 39 (original): The system of claim 38 further comprising:

means for displaying a first secondary display window;  
means for permitting a user to select an item in the first primary display window;  
means for driving the first secondary display window off of the user selected item in the first primary display window;  
means for displaying a second secondary display window; and  
means for driving the second secondary display window off of the user selected item in the first primary display window, wherein the means for driving the first secondary display window is independent of the means for driving the second secondary display window.

Claim 40 (original): The system of claim 38 further comprising:

means for displaying a first secondary display window;  
means for driving the first secondary display window off of a user selected item in the first primary display window; and  
means for linking the first secondary display window to the scope window.

Claim 41 (currently amended): A computer readable medium having computer-executable instructions for performing a method comprising:

forming a scope window displaying in a hierarchical structure scope items therein;  
allowing a user to select at least one of the scope items in the scope window;

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forming a first primary display window displaying first primary objects which are dynamically linked to the scope window;

allowing the user to select at least one of the first primary objects in the first primary display window;

forming a first secondary display window displaying first secondary objects which are dynamically linked to the first primary display window;

allowing the user to select at least one of the first secondary objects in the first secondary display window; and

dynamically linking the first secondary display window to the scope window so that the first secondary display window communicates with the scope window by focusing on the selected first secondary objects in the scope window, wherein the communication is independent of the communication between the first primary display window and the scope window.

**Claim 42 (original):** The computer-readable medium of claim 41, having further computer-executable instructions for:

assigning a particular object within the first secondary display window with a task list;  
sharing the assigned task list with other objects in the scope window;  
permitting the user to execute a new task on the particular object; and  
executing the new task on the other objects.

**Claim 43 (currently amended):** A computer readable medium having computer-executable instructions for performing a method comprising:

forming a scope window displaying in a hierarchical structure scope items therein;

allowing a user to select at least one of the scope items in the scope window;

forming a first primary display window displaying first primary objects which are dynamically linked to the scope window;

allowing a user to select at least one of the first primary objects in the first primary display window;

forming a first secondary display window displaying first secondary objects which are dynamically linked to the first primary display window in response to a selection of one or more first primary objects in the first primary display window;

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allowing a user to select at least one of the first secondary objects in the first secondary display window; and

dynamically linking the first secondary display window to the scope window so that a command or selection by a user in the first secondary display window changes the focus or content of the scope window according to the selection or command.

**Claim 44 (currently amended):** A computer readable medium having computer-executable instructions for performing steps comprising:

forming a scope window displaying in a hierarchical structure scope items therein;

forming a first primary display window displaying first primary objects dynamically linked to the scope window; and

forming a second primary display window displaying second primary objects dynamically linked to the scope window; and

defining window types of the first primary display window and of the second primary display window as a function of data driven from a query, wherein the type of driven data determines the window type.

**Claim 45 (original):** The computer-readable medium of claim 44, having further computer-executable instructions for performing the step of allowing a user to convert the scope window, the first primary display window, and/or second primary display window from one window type to another window type.

**Claim 46 (original):** The computer-readable medium of claim 45, wherein the window types include one or more of the following: a table, a graph, a list, a list control, a topological view, and a text window.

**Claim 47 (currently amended):** A computer readable medium having stored thereon a data structure, comprising:

a scope window displaying scope items therein and allowing a user to select at least one displayed scope item;

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a first primary display window displaying first primary objects linked to the scope window and having an edge adjacent to an edge of the scope window, wherein the size and position of the scope window are independent of the size and position of the first primary display window; and

a second primary display window displaying second primary objects linked to the scope window and having an edge adjacent to an edge of the scope window or an edge of the primary window wherein adjacent edges are docked to each other so that movement of one adjacent edge causes movement of the other adjacent edge, wherein the size and position of the scope window and the first primary display window are independent of the size and position of the second primary display window.

Claim 48 (original): The computer-readable medium of claim 47 wherein the linking between the second primary objects and the scope window is independent of the linking between the first primary objects and the scope window.

Claim 49 (original): The computer-readable medium of claim 48 further comprising:

a first secondary display window displaying first secondary objects linked to the first primary display window; and

a second secondary display window displaying second secondary objects linked to the first primary display window wherein the linking between the second secondary objects and the first primary display window is independent of the linking between the first secondary objects and the first primary display window.

Claim 50 (previously presented): The computer-readable medium of claim 48 wherein the user selects at least one first primary object in the first primary display window and wherein a first secondary display window displays first secondary objects linked to the first primary display window and linked to the scope window.

Claim 51 (previously presented): The system of claim 35 wherein means for linking the second primary display window to the scope window is in response to the selected item.